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CITY OF ALBUQUERQUE RFB2006-101-SB
MEDIUM-DUTY AERIAL BOOM TRUCK
ROBERTS TRUCK CENTER

AGENCY: _____
DEPARTMENT: _____
DIVISION: _____
REQUISITION #: _____ PO #: _____

DESCRIPTION: Medium-Duty Aerial Boom Truck MAKE: International
VENDOR: Roberts Truck Center MODEL: Cab/Chassis: 4200
BASE COST PER UNIT: \$ 104,176.43 Aerial Device: Terex TL-37M

STANDARD SPECIFICATIONS	
1. GROSS VEHICLE WEIGHT:	27,500 lb. (minimum)
2. FRAME:	Factory reinforced heavy duty (not standard frame) steel, to meet GVW.
3. ENGINE:	210 HP Diesel
4. TRANSMISSION:	AT-545 Allison automatic or equal, with PTO and external oil filter
5. WHEELBASE:	149 inches
6. CAB TO AXLE:	84 inches
7. FRONT AXLE:	12,000 lb. capacity
8. REAR AXLE:	19,000 lb capacity
9. REAR SUSPENSION:	23,000 lb. minimum with auxiliary springs
10. ELECTRICAL:	900CCA battery; 100 amp alternator.
11. COOLING SYSTEM:	Manufacturer's maximum available cooling capacity. Dex-cool or equal.
12. FUEL SYSTEM:	50-gallon step tank mounted on street side.
13. STEERING:	Power assisted
14. BRAKES:	Power assisted. Factory standard for GVW and axles.
15. WHEELS:	
15.1. Budd type. 20-inch x 7-inch minimum, front and rear.	
15.2. Dual rear wheels.	
16. TIRES:	
16.1. 12 ply radial construction to meet GVWR.	
16.2. Spare tire and wheel included.	
17. CAB:	
17.1. Factory standard insulated cab.	
17.2. Painted factory standard white.	
17.3. All glass factory tinted.	
17.4. 7-inch x 16-inch west coast type outside mirrors.	
17.5. Dual multiple-speed windshield wipers with intermittent (delay) wipe settings.	
17.6. Windshield washers.	
17.7. Factory front step bumper	
17.8. 1/8-inch undercoating in cab area.	
17.9. Undercarriage and wheels factory painted black.	
17.10. Air Conditioning	
17.11. Heater/defroster.	
17.12. Bench-style seating for three (3) persons.	
17.13. Dual sun visors.	
17.14. Cigar lighter.	
17.15. Manual engine throttle.	
17.16. AM/FM radio	
18. INSTRUMENTATION:	Manufacturer's standard instrumentation as detailed in manufacturer's standard specifications to include, but not limited to,

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	Engine Temperature, Engine Oil Pressure, Battery Voltage.
19. LIGHTING:	
19.1.	Lighting and reflectors must meet all applicable federal, state and local regulations in effect at the time of delivery.
19.2.	Rear lighting must be inset or otherwise protected from damage.
20. JIB:	
20.1.	Head sheave.
20.2.	Hydraulic articulations with manual extension.
20.3.	35-degree 1-foot to 5-foot manual pull out extension with pin settings for various lengths.
21. WINCH:	
21.1.	Hydraulic with adjustable baud brake mounted on jib bracket.
21.2.	Independent control
21.3.	1,500 lb. capacity.
21.4.	60 feet of synthetic rope and safety hook to meet jib capacity.
22. BODY:	
22.1.	All steel platform.
22.2.	96-inch (96") wide x 12-feet 6-inch (12' 6") long.
22.3.	3/16-inch diamond tread steel deck with 5.4 structural steel crossmembers on 16-inch centers.
22.4.	Coated with non-skid grip material finish.
22.5.	Sub frame suitable for cab/chassis and aerial unit.
22.6.	Body skirted at rear of platform
22.7.	Incorporating a heavy duty full width rear step bumper.
22.8.	Holland T-100 (<i>or equal</i>) pintle hook.
22.9.	Two (2) safety chain eyes installed 24 inches (<i>nominal</i>) from ground.
22.10.	2-inch back plate reinforcement.
23. AERIAL UNIT:	
23.1.	Installed on truck chassis by its manufacturer or authorized dealer.
23.1.1.	Minimum working height 42 feet (37 feet to bottom of basket) (<i>nominal</i>)
23.1.2.	25-foot or greater side reach from centerline of rotation to outside edge of basket.
23.1.3.	Travel height not to exceed 11-feet 8-inches (11' 8") (<i>nominal</i>)
23.1.4.	Continuous and unrestricted rotation at one (1) RPM.
23.2.	High strength steel tower pedestal and turret with mounting base of sufficient strength to withstand all torsion loads imposed by the aerial device, and bolted to the chassis frame with the bolts in shear, not in tension.
23.2.1.	Turntable powered by reversible hydraulic motor and self-locking gearbox.
23.2.2.	Heavy-duty turntable bearing.
23.2.3.	Oil reservoir with 20-gallon minimum capacity, anti-splash baffles, 100 mesh screen in the filler cap, 60 mesh screen in the tank outlet, dip stick hole and access hole for tank cleanout.
23.2.4.	10-micron replaceable cartridge-type return line filter with bypass valve mounted in reservoir.
23.2.5.	Reservoir located in protected area to prevent damage and accumulation of debris.
23.3.	High strength steel construction lower boom.
23.3.1.	Hydraulic steel 2 nd stage boom.
23.3.2.	Fiberglass 3 rd stage boom.
23.3.3.	Manufacturer's standard 2 nd stage boom.
23.3.4.	3 rd stage boom shall extend and retract simultaneously with 2 nd stage boom, and shall provide 79.5 inches of clear insulated length when fully extended.
23.3.5.	3 rd stage boom extension shall be a minimum of 93 inches.
23.4.	Full pressure lower controls, capable of completely overriding top controls, located in an accessible location on the turret.
23.4.1.	Boom elevation minimum range shall be from minus six degrees Fahrenheit (-6° F) to plus seventy-five degrees Fahrenheit (+75°F).
23.4.2.	Insulated emergency lowering system with controls as basket for truck engineer failure.
23.5.	Double-acting hydraulic boom lift cylinder with integral pilot-operated holding valve.
23.5.1.	Welded high strength steel construction boom rest holds boom in a padded cradle using a heavy-duty nylon strap tightened by an

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eccentric lever.	
23.6. Two (2) 300-lb. capacity, positive hydraulic leveling, side mounted fiberglass baskets 24-inch x 24-inch x 42-inch deep with access (entry) step from the truck platform with grip material.	
23.6.1. Waterproof basket control cover with quick on/off fastening method.	
23.6.2. Polyethylene basket liners for each basket, tested to 50 KV-AC.	
23.6.3. Fiberglass tool trays (approximately 17-inches x 7-inches x 6-inches deep) for each basket.	
23.7. Automatic engine throttle control and engine stop/start control at upper control lever.	
23.7.1. Capable of up to full horizontal tilts.	
23.7.2. Built-in lanyard a-ring attachment with operator safety belt.	
23.7.3. Nylon non-conductive hoses wherever required.	
23.8. Double acting hydraulic cylinder powered A-frame outriggers, with integral holding valves, mounted at rear of truck chassis.	
23.8.1. Electrical cable controlled 9 GPM @ 1200 RPM hydraulic gear type pump rated to meet outrigger controls from either side of truck.	
23.8.2. Two (2) throttle speed controls.	
23.8.3. Hydraulic or fiber optics upper controls.	
23.8.4. 156-inch outrigger spread at full penetration of 11 inches.	
23.8.5. Fixed outrigger ground shoes.	
23.9. With aerial device in travel position, all required hydraulic oils and lubricants shall be at their required maximum levels.	
23.9.1. In an accessible location, provide one (1) gate valve (shutoff) for suction lines.	
23.10. Unit furnished shall be the manufacturer's latest design.	
23.10.1. Manufactured, tested and certified for operation by a local certified independent tester for up to 46KV working line voltage in accordance with OSHA guidelines and ANSI A92.2-1990 or (if applicable) any superseding requirements.	
23.10.2. Original copy of report required.	
24. MISCELLANEOUS:	
24.1. Contractor shall furnish 2 sets of each: Line Sheets, Operator's Manuals, Service Manuals, Parts Manual for the cab/chassis, Parts Manual for the aerial unit.	
24.2. CD-Rom (if available) or hard copy diagrams with exploded views of the aerial unit.	
24.3. MADDCC Danger decals in all appropriate locations on unit, including boom and body.	
25. FINISH:	
25.1. Truck cab factory white.	
25.2. Entire aerial unit painted to match truck cab.	
25.3. All metal parts and components shall, at a minimum, have one primer coat and one finish coat.	
25.4. All fasteners shall be zinc plated and painted to match the machine where appropriate.	
26. ACCESSORIES:	
26.1. Two sets of wheel chocks attached to body in front and back of rear wheels.	
26.2. 97 db minimum electric back-up alarm.	
27. STANDARD EQUIPMENT:	Unit must be furnished with all standard equipment (unless an upgrade is specified) as detailed in current factory literature at the time of delivery.
28. WARRANTY:	
28.1. 3-years, 36,000 miles bumper-to-bumper factory warranty on the entire fully assembled vehicle and aerial unit.	
28.2. 5-years parts and labor warranty on engine and transmission.	
28.3. 3,500 hour parts and labor warranty on the aerial unit/boom truck body and mechanisms.	
28.4. No deductibles on any warranty work.	
28.5. 2-working days maximum response time for warranty repair calls (to receive unit and diagnose problems).	
28.6. 3-working days maximum repair time (after 2-day response time) for all warranty repairs.	
28.7. Contractor shall furnish an equivalent vehicle or reimburse the City for reasonable (market value) rental costs for an equivalent vehicle if the unit is not repaired and ready for service with the above maximum time frame, unless it can be proven to the City that the delay is due to factors beyond the Contractor's control.	
28.8. After expiration of warranty, any/all needed parts for boom body and mechanism must be furnished to the City, upon request, within 3 working days of placement of order.	
29. TRAINING:	
29.1. Contractor shall furnish up to 8 hours of preventative maintenance training and up to 8 hours of operational training within 30 days after delivery of the vehicle. Dates and times shall be arranged as mutually agreed upon between the City and the Contractor.	
29.2. Contractor must make the training available to the City within that time frame or pay reasonable costs for City employees to attend suitable training.	

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OPTIONS		
DESCRIPTION	MODEL	PRICE (quantity 1 ea.)
A. Two-man rotating basket with material handling (up to 1500 lb) capacity.		\$ Included in base price
B. Dual hydraulic tool outlets at platform		\$ 362.00
C. Hydraulic platform rotator		\$ 332.00
D. Single stick 4-function platform control		\$ 147.00
E. Single conductor wire holder (A.B. Chance)		\$ 620.00
F. Hydraulic jib extension under load.		\$ 1,461.00
G. Master door rod lock system		\$ 204.00
H. Window guard constructed of tubing and heavy duty expanded metal.		\$ 277.00
I. Remote engine stop / start control from rear of vehicle		\$ 449.00
J. Preco 4262A amber strobe light with 6-inch lens and mounting bracket and guard.		\$ 308.00
K. Ground cable clear 1/0 and storage bracket		\$ 426.00

OPTIONS TOTAL \$ _____

BASE PRICE \$ 104,176.43

TOTAL COST PER UNIT \$ _____

QUANTITY _____

TOTAL COST \$ _____